

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	09879480
Filing Date	2001-06-12
First Named Inventor	Jack C. Whittier
Art Unit	1634
Examiner Name	Carla J. Myers
Attorney Docket Number	HrdMgmtCIP

U.S. PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/CM/	1	6328071		2001-12-11	Austin	
	2	6698627		2004-03-02	Garcia et al.	
	3	6729369		2004-04-04	Neas et al.	
	4	6752298		2004-06-22	Garcia et al.	
	5	6761286		2004-07-13	Py et al.	
	6	6761288		2004-07-13	Garcia	
	7	6789706		2004-09-14	Abergel et al.	
↓	8	6789759		2004-09-14	Heldt	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	09879480
Filing Date	2001-06-12
First Named Inventor	Jack C. Whittier
Art Unit	1634
Examiner Name	Carla J. Myers
Attorney Docket Number	HrdMgmtCIP

/CM/	9	6793387		2004-09-21	Neas et al.	
	10	4796788		1989-01-10	Bond	
	11	5492534		1996-02-20	Atheyde	
	12	5665315		1997-09-09	Robert et al.	
	13	5690815		1997-11-25	Krasnoff et al.	
	14	5799830		1988-09-01	Carroll et al.	
	15	5893843		1999-04-13	Rodrigues Claro	
	16	5919360		1999-07-06	Contaxis, III et al.	
	17	6495366		2002-12-17	Briggs	
	18	6086574		2000-07-11	Carroll et al.	
↓	19	4573796		1986-03-04	Martin	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		09879480
	Filing Date		2001-06-12
	First Named Inventor	Jack C. Whittier	
	Art Unit	1634	
	Examiner Name	Carla J. Myers	
	Attorney Docket Number	HrdMgmtCIP	

/CM/	20	7105355		2006-09-12	Kurabayashi et al.	
------	----	---------	--	------------	--------------------	--

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S.PATENT APPLICATION PUBLICATIONS

Remove

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/CM/	1	20060147894	A1	2006-07-06	Sowter	
/CM/	2	20040107150	A1	2000-06-03	Neas et al.	
/CM/	3	20030002027	A1	2003-01-02	Fritz	

If you wish to add additional U.S. Published Application citation information please click the Add button.

Add

FOREIGN PATENT DOCUMENTS

Remove

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
/CM/	1	2001029538	WO		2001-04-26	Becton Dickinson and Company		<input type="checkbox"/>
/CM/	2	100998524	CN		2007-07-18	Beijing Glorious Land Agriculture Co.		<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button.

Add

NON-PATENT LITERATURE DOCUMENTS

Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
--------------------	---------	---	----------------

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	09879480
Filing Date	2001-06-12
First Named Inventor	Jack C. Whittier
Art Unit	1634
Examiner Name	Carla J. Myers
Attorney Docket Number	HrdMgmtCIP

ICM/	1	Pursley, J.R. et al., Reproductive Management of Lactating Dairy Cows Using Synchronization of Ovulation; 1997 J. Dairy Sci 80:301-306	<input type="checkbox"/>
	2	Bagnato, A., Genetic and Breeding; Phenotypic Evaluation of Fertility Traits and Their Association with Milk Production of Italian Friesian Cattle; 1994 J. Dairy Sci 77:874-882	<input type="checkbox"/>
	3	Panskowski, J., A., et al. Use of Prostaglandin F2a as a Postpartum Reproductive Management Tool for Lactating Dairy Cows; 1995 J. Dairy Sci 78:1477-1488	<input type="checkbox"/>
	4	Scipioni, R. L., et al., Short Communication: An Electronic Probe Versus Milk Progesterone as Aids for Reproductive Management of Small Dairy Herds; 1999 J. Dairy Sci 82:1742-1745	<input type="checkbox"/>
	5	Fricke, P. M., Scanning the Future - Ultrasonography as a Reproductive Management Tool for Dairy Cattle; J. Dairy Sci 85:1918-1926	<input type="checkbox"/>
	6	Grant, V. J., et al., Sex-Sorted Sperm and Fertility: An Alternative View; Biology of Reproduction 76, 184-188 (2007)	<input type="checkbox"/>
	7	Garner, D. L., Sex-Sorting Mamallian Sperm: Concept to Application in Animals; Journal of Andrology, Vol. 22, No. 4 July/Aug. 2001	<input type="checkbox"/>
	8	Tubman, L.M. et al., Characteristics of calves produced with sperm sexed by flow cytometry/cell sorting; 2004 Amer. Society of Animal Sciences; 82:1029-1036	<input type="checkbox"/>
	9	Weigel, K. A., Exploring the Role of Sexed Semen in Dairy Production Systems; J. Dairy Sci. 87: (E.Suppl.): E120-E130; 2004 American Dairy Science Assoc.	<input type="checkbox"/>
	10	Ferre, L., et al., In vitro-derived embryo production with sexed and unsexed semen from different bulls; Reproduction Fertility and Development, Vol 16, Part 1/2, Page 253, 2004	<input type="checkbox"/>
✓	11	Dalton, J.C., et al., Effect of Time of Insemination on Number of Accessory Sperm, Fertilization Rate, and Embryo Quality in Nonlactating Dairy Cattle. J Dairy Sci. 84:2413 - 2418	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	09879480
Filing Date	2001-06-12
First Named Inventor	Jack C. Whittier
Art Unit	1634
Examiner Name	Carla J. Myers
Attorney Docket Number	HrdMgmtCIP

/CM/	12	Dransfield, M.B.G., et al., Timing of Insemination for Dairy Cows Identified in Estrus by a Radiotelemetric Estrus Detection System. 1998 J Dairy Sci. 81: 1874 - 1882	<input type="checkbox"/>
	13	Maatje, K. et al. Predicting Optimal Time of Insemination in Cows that Show Visual Signs of Estrus by Estimating onset of Estrus with Pedometers	<input type="checkbox"/>
	14	Nebel, R.L. et al. Timing of Artificial Insemination of Dairy Cows: Fixed Time Once Daily Versus Morning and Afternoon 1994 J Dairy Sci. 77:3185 - 3191	<input type="checkbox"/>
	15	Pursley, J. Richard, et al. Effect of Time of Artificial Insemination on Pregnancy Rates, Calving Rates, Pregnancy Loss, and Gender Ratio After Synchronization of Ovulation in Lactating Dairy Cows. 1998 J Dairy Sci. 81: 2139- 2144	<input type="checkbox"/>
	16	Rozeboom, K. J. et al. Late Estrus or Metestrus Insemination After Estrual Inseminations Decreases Farrowing Rate and Litter Size in Swine J. Animal Sci. 1997. 75: 2323 - 2327	<input type="checkbox"/>
	17	Peeler, I. D. et al. Pregnancy Rates After Times AI of Heifers Following Removal of Intravaginal Progesterone Inserts, J. Dair Sci., 87:2868-2873; 2004	<input type="checkbox"/>
	18	Rath, D. Low Dose Insemination in the Sow - A Review, Reprod. Dom Anim. 37, 201-205 (2002) www.blackwell.de/synergy.	<input type="checkbox"/>
	19	Lukaszewicz, M. et al. Attempts on freezing the Greylag (Anser anser L.) gander semen Animal Reproduction Science 80 (2004) 163-173	<input type="checkbox"/>
	20	Foot, R. H. et al. Sperm Numbers Inseminated in Dairy Cattle and Nonreturn Rates Revisited 1997 J Dairy Science 80:3072-3076	<input type="checkbox"/>
	21	Conley, H.H. et al. Intensification by Intrauterine Devices of Sperm Loss from the Sheep Uterus Biology of Reproduction 2, 401-407 (1970)	<input type="checkbox"/>
↓	22	Chrenek, Peter et al. Fertilizing Capacity of Transgenic and Non-Transgenic Rabbit Spermatozoa after Heterospermic Insemination Bull Vet. Inst. Pulawy 49, 307-310, 2005	<input type="checkbox"/>

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		09879480
	Filing Date		2001-06-12
	First Named Inventor	Jack C. Whittier	
	Art Unit	1634	
	Examiner Name	Carla J. Myers	
	Attorney Docket Number	HrdMgmtCIP	

/CM/	23	Bakst, Murray R. Fate of Fluorescent Stained Sperm following Insemination: New Light on Oviculal Sperm Transport and Storage in the Turkey	<input type="checkbox"/>
/CM/	24	Johnson L.A., et al. use of boar spermatozoa for artificial insemination, II. Fertilization Capacity of fresh and frozen spermatozoa in gilts inseminated either at a fixed time or according to walsmeta readings, Journal of Animal Science, vol. 54 No. 1, 1982 pp 126-131	<input type="checkbox"/>
/CM/	25	Pursel, V. G., et al. Distribution and morphology of fresh and frozen-thawed sperm in the reproductive tract of gilts after artificial insemination; Biology of Reproduction 19, 69-76 (1978)	<input type="checkbox"/>
/CM/	26	Parallel Canadian Application number 2,411,462; Filed 12/12/2002; Office action dated September 6, 2007	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/Carla Myers/	Date Considered	01/28/2008
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.